



Standards *Actions*

DOE Projects Initiated

The following DOE technical standards projects were recently initiated. If you are interested in participating in the development of these standards, please contact the persons listed below.

- *Integrated Safety Management System (ISMS): Verification of ISMS Implementation*, Project Number SAFT-0065; Jeffry L. Roberson, DP-45; 301-903-8026, Jeffry.Roberson@dp.doe.gov.

- *Guidance for Release for Human Consumption of Game Animals from DOE Sites*, Project Number ENVR-0008; Kenneth Duvall, EH-41; 202-586-0242, Kenneth.Duvall@hq.doe.gov.

- *Guidance for Controlling the Release for Reuse or Recycle of Property Containing Residual Radioactive Material*, Project Number ENVR-0009; Kenneth Duvall, EH-41; 202-586-0242, Kenneth.Duvall@hq.doe.gov.

- *Derived Concentration Guides (DCG) to Support Implementation of 10 CFR Part 834*, Project Number ENVR-0010; Kenneth Duvall, EH-41; 202-586-0242, Kenneth.Duvall@hq.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. The full text of these documents is available on the Technical Standards Program Web Site at the URL shown at the bottom of this page. If wish to comment on these documents, please notify your TSM.

- *ALARA Training for Technical Support Personnel*, Project Number 6910-0058, (Peter O'Connell, EH-52, 301-903-5641, Peter.O'Connell@eh.doe.gov); comments due July 11, 1997.
- *Electrical Safety*, Project Number SAFT-0035, (Patrick Tran, EH-51, Pat.Tran@hq.doe.gov); comments due June 20, 1997.

DOE Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-1107-97, *Knowledge, Skills, and Abilities for Key Radiation Protection Positions at DOE Facilities*, January 1997.

- DOE-HDBK-1087-95, *Enforcement Handbook: Enforcement of DOE Nuclear Safety Requirements*, June 1995.
- DOE-HDBK-1106-97, *Radiological Contamination Control Training for Laboratory Research*, February 1997.

- DOE-HDBK-1201-97, *Guide to Good Practices: Evaluation Instrument Examples*, January 1997.

- DOE-HDBK-1203-97, *Guide to Good Practices for Training of Technical Staff and Managers*, January 1997.

- DOE-HDBK-1204-97, *Guide to Good Practices for the Development of Test Items*, January 1997.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) on the Internet. To date, 117 DOE technical standards have been placed on the Internet at the address shown at the bottom of this page.

The following DOE technical standards have recently been placed on the Internet:

- DOE-STD-1066-97, *Fire Protection Design Criteria*, March 1997.
- DOE-HDBK-1087-95, *Enforcement Handbook: Enforcement of DOE Nuclear Safety Requirements*, June 1995.
- DOE-HDBK-1204-97, *Guide to Good Practices for the Development of Test Items*, January 1997.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of

Technical Standards Program

Document Status as of 4/30/97

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	53	13	5

Total in  cess = 66



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

ANSI Standards Action is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- AMCA 500-D-97, *Laboratory Methods for Testing Dampers for Ratings* (new standard); comments June 10, 1997.
- ARI 740-95, *Refrigerant Recovery/Recycling Equipment* (new standard); comments due May 27, 1997.
- ARI 770-94, *Refrigerant Pressure Regulating Valves* (new standard); comments due May 27, 1997.
- ARI 830-93, *Integrated Environmental Controls* (new standard); comments due May 27, 1997.
- ASHRAE 52.2p, *Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size* (new standard); comments due June 10, 1997.
- ASME B73.3M, *Specification for Sealless Horizontal End Suction Centrifugal Pumps for Chemical Process* (new standard); comments due June 10, 1997.
- ASME BPVC, *Revision: 1997, ASME Boiler and Pressure Vessel Code* (revision of December 13, 1996 Meeting); comments due May 27, 1997.
- IEEE 1015-1997, *Recommended Practice for Application Guide for Low Voltage Circuit Breakers Used in Industrial and Commercial Power Systems (Blue Book)* (new standard); comments due May 27, 1997.
- HI 9.7-1997, *Baseplate Design, Horizontal Centrifugal Pumps* (new standard); comments due June 10, 1997.
- UL 2079, *Standard for Safety for Tests for Fire Resistance of Building Joint Systems* (new standard); comments due May 27, 1997.
- UL 2208, *Standard for Safety for Solvent Distillation Units* (new standard); comments due May 27, 1997.

The following newly published American National Standards are available from ANSI:

- ANSI C78.42-1995, *Electric Lamps - High-Pressure Sodium Lamps*.
- ANSI/ASME A13.1-1996, *Scheme for the Identification of Piping Systems*.
- ANSI/NFPA 13-1996, *Installation of Sprinkler Systems*.

- ANSI/NFPA 15-1996, *Water Spray Fixed Systems for Fire Protection*.
- ANSI/NFPA 20-1996, *Installation of Centrifugal Fire Pumps*.

The following international standards are currently in coordination (comment due dates follow each entry):

- 4/127/FDIS, IEC 60609-2: *Cavitation pitting evaluation in hydraulic turbines, storage pumps and pump-turbines - Part 2: Evaluation in pelton turbines* - May 15, 1997.
- EN 297: 1994/prA5, *Gas-fired central heating boilers - Type B₁₁ and B_{11BS} boilers, fitted with atmospheric burners of nominal heat input not exceeding 79 kW* (for information).
- ISO/CIE DIS 15469, *Spatial distribution of daylight - CIE standard overcast sky and clear sky* - June 6, 1997.
- ISO/DIS 4512, *Petroleum and liquid petroleum products - Equipment for measurement of liquid levels in storage tanks - Manual methods* - June 13, 1997.
- ISO/DIS 9439, *Water quality - Evaluation of ultimate aerobic biodegradability of organic compounds in aqueous medium by analysis of released carbon dioxide* (revision of ISO 9439: 1990) - June 20, 1997.
- ISO/DIS 14118, *Safety of machinery - Prevention of unexpected start-up* - June 20, 1997.
- prEN ISO 5667-16, *Water quality - Sampling - Part 16: Guidance on biotesting of samples* (ISO/DIS 5667-16: 1997) - June 13, 1997.
- prEN 976-1, *Underground tanks of glass-reinforced plastics (GRP) - Horizontal cylindrical tanks for the non-pressure storage of liquid petroleum based fuels - Part 1: Requirements and test methods for single wall tanks* (for information).
- prEN 1822-4, *High efficiency particulate air filters (HEPA and ULPA) - Part 4: Testing filter elements for leaks (Scan method)* - August 6, 1997.
- prEN 12255-4, *Wastewater treatment plants - Part 4: Primary settlement* - July 27, 1997.
- prEN 12259-1, *Fixed firefighting systems - Components for sprinkler and water spray systems - Part 1: Sprinklers* - July 20, 1997.
- prEN 12753, *Thermal cleaning plants (incinerators) for exhaust gas from surface treatment plants - Safety requirements* - July 13, 1997.
- prEN 12766, *Petroleum products and used oils - Determination of polychlorinated biphenyls (PCB) - Part 1: Separation and determination of selected PCB congeners by gas chromatography (GC) using an electron capture detector (ECD)* - August 6, 1997.
- prEN 12786, *Safety of machinery - Guidance for the drafting of the vibration clauses of safety standards* - August 6, 1997.

The following newly published international standards are available from ANSI:

- IEC 60254-2: 1997, *Lead-acid traction batteries - Part 2: Dimensions of cells and terminals and marking of polarity on cells*.
- IEC 60502-4: 1997, *Power cables with extruded insulation and their accessories for rated voltages from 1kV ($U_m = 1,2$ kV) up to 30 kV ($U_m = 36$ kV) - Part 4: Test requirements on accessories for cables with rated voltages from 6 kV ($U_m = 7,2$ kV) up to 30 kV ($U_m = 36$ kV)*.

- IEC 61000-4-24: 1997, *Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 24: Test methods for protective devices for HEMP conducted disturbance - Basic EMC publication*.
- IEC 61466-1: 1997, *Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V - Part 1: Standard strength classes and end fittings*.
- IEC 61467: 1997, *Insulators for overhead lines with a nominal voltage above 1 000 V - AC power arc tests on insulator sets*.
- IEC 61558-1: 1997, *Safety of power transformers, power supply units and similar - Part 1: General requirements and tests*.
- IEC 61586: 1997, *Estimation of the reliability of electrical connectors*.
- ISO 6618: 1997, *Petroleum products and lubricants - Determination of acid or base number - Colour-indicator titration method*.
- ISO 9459-3: 1997, *Solar heating - Domestic water heating systems - Part 3: Performance test for solar plus supplementary systems*.
- ISO 14240-1: 1997, *Soil quality - Determination of soil microbial biomass - Part 1: Substrate-induced respiration method*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM is developing a World Wide Web home page. The current version can be visited at <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:
(the due date for all items is May 10, 1997).

- New Standard, *Test Method for Determination of Installed Thickness of Pneumatically Applied Loose-Fill Building Insulation* (Ref. Z2487Z).
- New Standard, *Practice for Using Hollow-Stem Augers for Geotechnical Exploration and Soil Sampling* (Ref. Z2761Z).
- New Standard, *Practice for Determination of Thermal Resistance of Attic Insulation Systems Under Simulated Winter Conditions* (Ref. Z3424Z).
- New Standard, *Test Method for Examination of Liquid-Filled Atmospheric and Low-Pressure Metal Storage Tanks Using Acoustic Emission* (Ref. Z4225Z).
- New Standard, *Guide for Selection of Soil and Rock Sampling Devices Used With Drill Rigs for Environmental Investigations* (Ref. Z5734Z).
- New Standard, *Practice for Determining the Performance of Oil/Water Separators Subjected to Surface Run-Off* (Ref. Z5915Z).

- New Standard, *Guide for Remediation of Ground Water by Natural Attenuation at Petroleum Release Sites* (Ref. Z6174Z).
- New Standard, *Specification for HFC-23 (Trifluoromethane, CHF₃)* (Ref. Z6496Z).
- B 845-93, *Guide for Mixed Flowing Gas (MFG) Tests for Electrical Contacts* (revised standard).
- C 411-82(1992), *Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation* (revised standard).
- C 534-94, *Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form* (revised standard).
- C 553-92, *Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications* (revised standard).
- C 692-95a, *Test Method for Evaluating the Influence of Thermal Insulations on the External Stress Corrosion Cracking Tendency of Austenitic Stainless Steel* (revised standard).
- C 993-92, *Guide for In-Plant Performance Evaluation of Automatic Pedestrian SNM Monitors* (revised standard).
- C 1008-92, *Specification for Sintered (Uranium-Plutonium) Dioxide Pellets--Fast Reactor Fuel* (revised standard).
- C 1031-90, *Specification for Nuclear Grade Aluminum Oxide Powder* (revised standard).
- C1205-91, *Test Method for the Radiochemical Determination of Americium-241 in Soil by Alpha Spectrometry* (revised standard).
- D 5730-96, *Guide to Site Characterization for Environmental Purposes With Emphasis on Soil, Rock, the Vadose Zone and Ground Water* (revised standard).
- D 5847, *Practice for Writing Quality Control Specifications for Standard Test Methods for Water Analysis* (new standard).

The following newly published standards are available from ASTM:

- A 967-96, *Specification for Chemical Passivation Treatments for Stainless Steel Parts* (new standard).
- C 1068-96, *Guide for Qualification of Measurement Methods by a Laboratory Within the Nuclear Industry* (revised standard).
- C 1086-96, *Specification for Glass Fiber Felt Thermal Insulation* (revised standard).
- C 1210-96, *Guide for Establishing a Measurement System Quality Control Program for Analytical Chemistry Laboratories Within the Nuclear Industry* (revised standard).
- C 1355-96, *Specification for Glass Fiber Reinforced Gypsum Composites* (new standard).
- D 1147-96, (Includes change to title), *Guide to Sampling, Test Methods Standard, Practices and Guides for Electrical Insulating Oils of Petroleum Origin* (revised standard).
- D 2015-96, *Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter* (revised standard).
- D 5995-96, *Guide for Environmental Site Characterization in Cold Regions* (new standard).
- D 6010-96, *Practice for Closed Vessel Microwave Solvent Extraction of Organic Compounds from Solid Matrices* (new standard).

- E 1321-96a, *Test Method for Determining Material Ignition and Flame Spread Properties* (revised standard).
- E 1827-96, *Methods of Determining Airtightness of Buildings Using an Orifice Blower Door* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Office: 1791 Tullie Circle, NE
Atlanta, GA 30329-2305

Contact: Jim Heldenbrand

- ASHRAE 167P, *Model Safety Code for Mechanical Installations* (new standard).
- ASHRAE 168P, *SI Usage in Heating, Ventilating, Air Conditioning and Refrigerating* (new standard).

Industrial Safety Equipment Association

Office: 1901 North Moore Street, Suite 808
Arlington, 22209

Contact: Cristine Z. Fargo

- ISEA 105, *Hand Protection Selection Criteria* (new standard).

- ISEA 106, *Hearing Protection Labeling* (new standard).

Underwriters Laboratories, Inc.

Office: 1285 Walt Whitman Road
Melville, NY 11747-3081

Contact: Helen Kecham

- UL 719, *Standard for Safety for Nonmetallic-Sheathed Cables* (revision of ANSI/UL 719-1992).

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Mitchell Gold

- UL 467, *Standard for Safety for Grounding and Bonding Equipment* (revision of ANSI/UL 467-1993).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), phone 301-903-2856, FAX 301-903-6172, Email

Richard.Serbu@eh.doe.gov. Questions or comments may also be referred to Don Spellman, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065, phone 423-574-7891, FAX 423-574-0382, Email **spellmandj@ornl.gov**.

The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email **lj8@ornl.gov**.



Standards *Actions*

United States Department of Energy

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